

Working collaboratively to restore and sustain whitebark pine forests:

Examples of cooperation between the Confederated Salish Kootenai Tribes, NGO's, and government agencies

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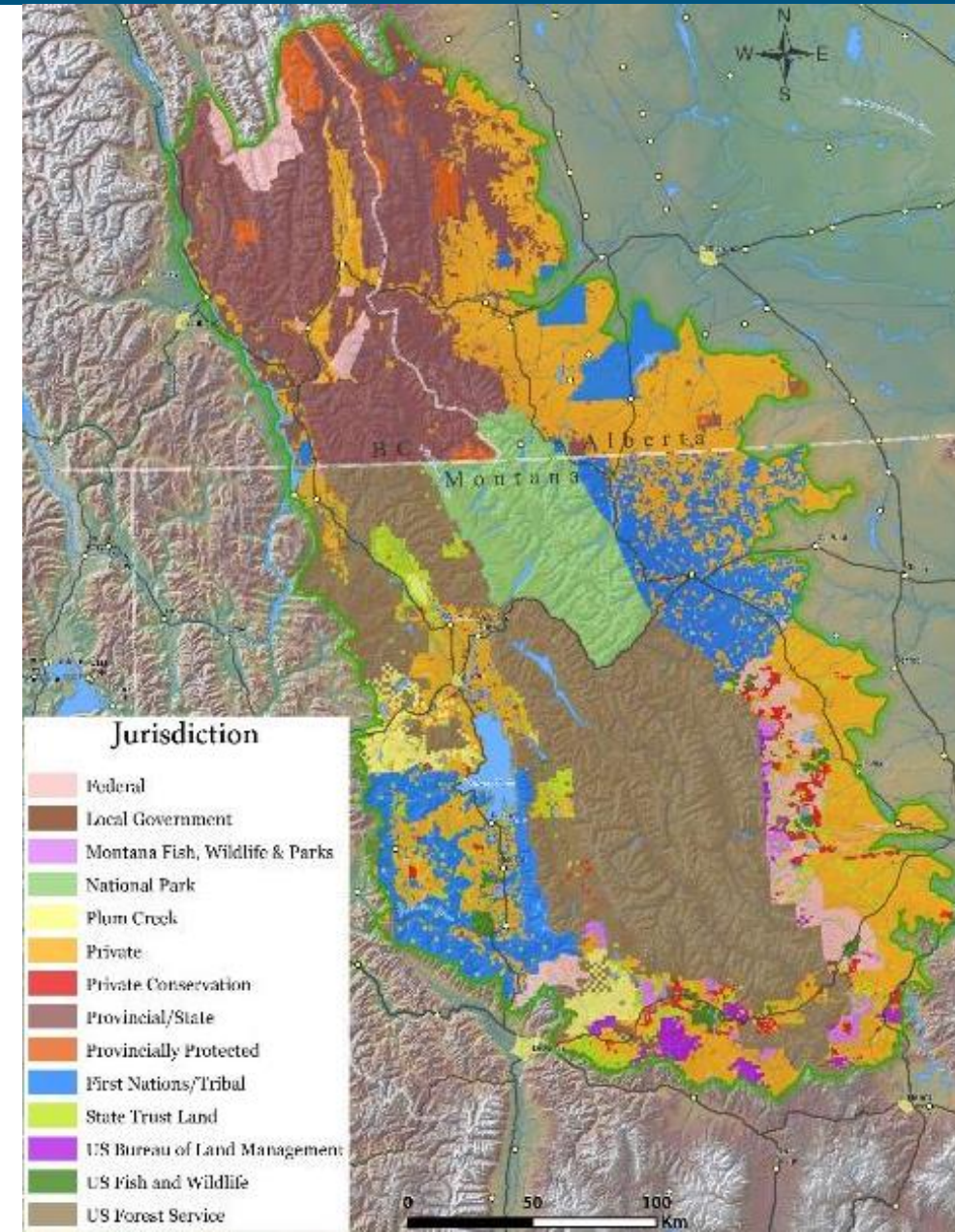
The Wilderness Society

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Crown Managers Partnership

- The CMP is a 20-year-old coalition;
 - Focused on collaborative work on shared priorities at the scale of the entire 18-million acre landscape;
 - Comprised of state, federal, and provincial agencies; and tribes and First Nations;
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- Identify shared adaptation strategies that build resilience to current and projected climate change impacts;
 - Coordinate strategies at multiple scales to achieve borderless outcomes across the Crown;
 - Identify and replicate examples of successful adaptation actions by managers across the landscape;
 - 4) Develop landscape-scale learning networks and adaptive management frameworks that identify and fill key information gaps.



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The critical importance of Traditional Ecological Knowledge



Figure 2. Traditional Ecological Knowledge and Five Needle Pine Forests Panel at the March 2016 Crown Managers Partnership in Fernie, British Columbia: “We Need the Needles: Coordinating Action to Conserve 5-Needle Pine Forests in the Crown of the Continent”. Above, from left to right: Mike Durglo, Jr. (Confederated Salish and Kootenai Tribes), Wayne Louie (Ktunaxa Nation), Tony Incashola Sr. (Confederated Salish and Kootenai Tribes), Terry Tatsey (Blackfeet Nation), and Mike Bruised Head (Kainai Nation). Photograph courtesy of Regan Nelson.

White bark pine restoration and conservation through a cultural lens: Incorporating tribal values into spatial ecological assessments of white bark pine forests across the Crown of the Continent

October 31, 2017



Figure 1. First Nations and Indian Reserves in the Crown of the Continent Ecosystem, including member nations of the Blackfoot Confederacy (upper right) and the Confederated Salish and Kootenai Tribes (lower right). Map provided courtesy of the Crown Managers Partnership.

White bark pine, a keystone tree species in many high-elevation forests across the United States and Canada, is currently facing an unprecedented suite of threats in the form of invasive pests, plants, and pathogens; with climate change acting to both exacerbate these stressors and as a stressor itself. Due to the scale and impact of these stressors over the course of the last 30 years, white bark pine has been listed as an endangered species under Canada's Species at Risk Act (SARA) and is currently a candidate species for listing under the United States' Endangered Species Act.

Participating organizations in five-needle pine workshops across Crown



- 1Factor
- Alberta Agriculture and Forestry
- Alberta Environment and Parks
- Alberta Tree Improvement and Seed Center
- B.C. Ministry of Forests, Lands and Natural Resources
- B.C. Parks – Kootenay Okanagan Region
- Bert Rigall Foundation
- Blackfeet Nation
- Blackfoot Challenge
- Blood Tribe
- Canadian Forest Products
- Castle Crown Wilderness Coalition
- Center for Large Landscape Conservation
- Confederated Salish Kootenai Tribes
- Crown Managers Partnership
- Crown Roundtable
- East Kootenay Invasive Species Council
- Flathead Lake Biological Station
- Glacier National Park
- Great Northern Landscape Conservation Cooperative
- Ktunaxa Nation
- Lake Louise Ski Resort
- Montana Conservation Corps
- Municipality of Crowsnest Pass
- Nature Conservancy of Canada
- Parks Canada – Lake Louise, Yoho and Kootenay
- Piikani Nation
- Riverdale Resources
- Rocky Mountain Research Station
- The Nature Conservancy
- The Wilderness Society
- Teck Resources
- Tipi Mountain Native Plants Ltd.
- University of Calgary
- University of Montana Institute on Ecosystems
- U.S. Bureau of Land Management
- U.S.D.A. Forest Service
- U.S. Fish and Wildlife Service
- Waterton Lakes National Park
- Whitebark Pine Ecosystem Foundation
- Wildsight



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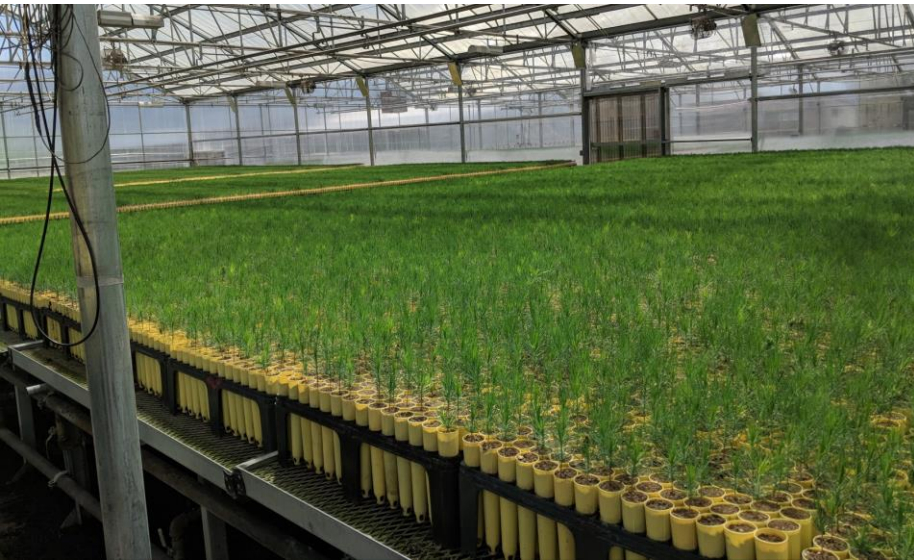
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CSKT's partnership with The Wilderness Society



- Member of CSKT's Climate Change Advisory Committee
- TWS foundation support for CSKT forestry restoration programs (Dreaming Tree Fdn.): \$130,000
- Tribal internships for 10 high school and Salish Kootenai College students.



Next steps

- In May, members of our TWS Communications team traveled out to Montana to learn more about this – and other! – projects;
- And to ask how they might support CSKT as they tell these stories to a wider audience;
- Went out into WBP forests with CSKT Forestry staff to learn about on-the-ground projects;
- Planning a return trip to gather more defined digital content.





Thank you! Questions?